**Group – Pieza Kake**

**Except Group: “Pieza Kake” is Kaity W, Ben W, Lee S.**

**Week 3: Chemical Science**

**States of matter: Solids, liquids and Gases**

**What is matter?** [**http://www.youtube.com/watch?v=fD\_qyngymto**](http://www.youtube.com/watch?v=fD_qyngymto)

**Ice is an example of something that goes from a solid to a liquid then to a gas and back again:**

In order for ice in the liquid form known as water to reach its solid state again it needs to be frozen again.

From this state to the next, ice needs to be heated so it melts into a liquid state.

Once ice is a gas it cannot form directly into a solid again. To do so, it needs to firstly become a liquid, by cooling and then condensation into liquid again. An example of this is evident when taking a hot shower, on the mirror once the shower stops running the temperate in the room cools which forms condensation.

As a liquid to transpire into a gas ice needs to be heated at a higher rate to form evaporation

An in-depth explanation can be found here: <http://www.youtube.com/watch?v=vDZhUkp30tE> – they have made a Linkin Park song into an educational tool ☺

Some other states of matter change are:

Water Cycle: <http://www.youtube.com/watch?feature=endscreen&NR=1&v=WWe1BQWGv18>

Copper: <http://www.youtube.com/watch?v=Vus44ljHGU0> - Was unable to show the gas form though which was due to not being able to reach that type of temperature needed.

Some examples of states of matter are:

Solids: Chocolate, metal, rock, metal

Liquids: Water, fuel

Gases: Oxygen, smoke, air

<http://www.wacona.com/words/matter/gases.htm>